Product datasheet for TP314953M

EFEMP1 (NM_004105) Human Recombinant Protein

Product data:

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Product Type:	Recombinant Proteins
Description:	Recombinant protein of human EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214953 protein sequence Red=Cloning site Green=Tags(s) MLKALFLTMLTLALVKSQDTEETITYTQCTDGYEWDPVRQQCKDIDECDIVPDACKGGMKCVNHYGGYLC LPKTAQIIVNNEQPQQETQPAEGTSGATTGVVAASSMATSGVLPGGGFVASAAAVAGPEMQTGRNNFVIR RNPADPQRIPSNPSHRIQCAAGYEQSEHNVCQDIDECTAGTHNCRADQVCINLRGSFACQCPPGYQKRGE QCVDIDECTIPPYCHQRCVNTPGSFYCQCSPGFQLAANNYTCVDINECDASNQCAQQCYNILGSFICQCN QGYELSSDRLNCEDIDECRTSSYLCQYQCVNEPGKFSCMCPQGYQVVRSRTCQDINECETTNECREDEMC WNYHGGFRCYPRNPCQDPYILTPENRCVCPVSNAMCRELPQSIVYKYMSIRSDRSVPSDIFQIQATTIYA NTINTFRIKSGNENGEFYLRQTSPVSAMLVLVKSLSGPREHIVDLEMLTVSSIGTFRTSSVLRLTIIVGP FSF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	52.7 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	: 200 ng of recombinant purified EFEMP1-myc were added to cultured glioma cells (CNS-1 rat glioma cell line) for 6h, and cells were further processed for quantitative RT-PCR. Results showed increased expression of metalloproteases MMP2 and MMP9, in agreement with published results from Hu. et. al. (Mol. Cancer Res. (2009) 7:1756-1770) Data kindly provided by Dr. Mariano S. Viapiano, Ohio State University.

Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004096
Locus ID:	2202
UniProt ID:	Q12805
RefSeq Size:	2936
Cytogenetics:	2p16.1
RefSeq ORF:	1479
Synonyms:	DHRD; DRAD; EGF-containing fibulin-like extracellular matrix protein 1; FBLN3; FBNL; fibrillin-like; fibulin 3; FLJ35535; MGC111353; MLVT; MTLV; S1-5
Summary:	This gene encodes a member of the fibulin family of extracellular matrix glycoproteins. Like all members of this family, the encoded protein contains tandemly repeated epidermal growth factor-like repeats followed by a C-terminus fibulin-type domain. This gene is upregulated in malignant gliomas and may play a role in the aggressive nature of these tumors. Mutations in this gene are associated with Doyne honeycomb retinal dystrophy. Alternatively spliced transcript variants that encode the same protein have been described.[provided by RefSeq, Nov 2009]
Protein Families:	Secreted Protein

Product images:
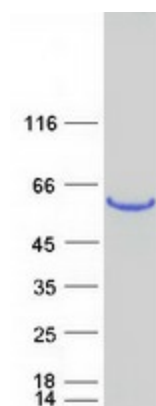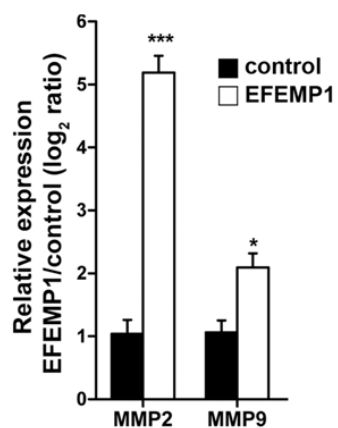
Coomassie blue staining of purified EFEMP1 protein (Cat# [TP314953]). The protein was produced from HEK293T cells transfected with EFEMP1 cDNA clone (Cat# [RC214953]) using MegaTran 2.0 (Cat# [TT210002]).